

### ABSTRACT

Soft/softer handover is to be performed in a wireless hybrid code division multiple access communication system. For a wireless transmit/receive unit (WTRU), currently used uplink and downlink timeslots of the WTRU in a current cell/sector are determined. Uplink and downlink timeslots are assigned to the WTRU for a handover cell/sector. The assigned handover cell/sector uplink and downlink timeslots are different timeslots than the currently used current cell/sector uplink and downlink timeslots. After initiating soft handover, same uplink and downlink data with the current cell/sector is communicated using the currently used uplink and downlink timeslots and with the handover cell/sector using the assigned handover cell/sector uplink and downlink timeslots.